2015-16 Categorical Growth Score for Next-Generation Learners Accountability

Categorical Growth Score for Next Generation Learners Accountability

From 703 KAR 5:200. Next-Generation Learners:
(d) Categorical growth model calculations shall use the following formula: the sum of the number of students moving from one (1) performance level to a higher level, and the number of students remaining at proficient and distinguished, divided by the total number of students.
(e) Points for growth shall be distributed equally between each content area of reading and mathematics.

Calculation of Categorical Growth for Next Generation Learners

Growth points are calculated for students who:
- Lower performance category to a higher performance category
- Remain at proficient/distinguished.

Calculations are based on reading and mathematics assessments with results in consecutive years (Grades 4-8) and includes only students with a performance level (Novice, Apprentice, Proficient or Distinguished) in both the prior year and current year.

Steps to calculate Categorical Growth points:

1) From the current year results, an individual's performance is compared to their prior year performance to determine if they improved from year to year, scored Proficient/Distinguished, or did not improve and are not Proficient/Distinguished.

2) Sum totals for improved students and students remaining at Proficient/Distinguished to determine the Categorical Growth Improvement Total.

3) Divide the Categorical Growth Improvement Total by the Number of Accountable students to determine the Categorical Growth Points by Content.

4) Multiply the Categorical Growth Points by Content by 50%, rounded to 1 decimal place then added together for the Total Categorical Growth Points.

5) The Categorical Growth Points are equal to half of the total Growth points.

2015-16 Categorical Growth Score for Next-Generation Learners Accountability

See example below:

| | Step 1 | Step 2 | | Step 3 | | Step 4 |

Subject	Improved	Remaining at Proficient/ Distinguished (not in A)	Categorical Growth Improvement Total	Not Improved and Not Proficient/ Distinguished	Number Accountable	Categorical Growth Points by Content	Total Categorical Growth Points
Reading	25	40	65	55	120	54.2	56.3
Mathematics	35	35	70	50	120	58.3	
	A	B	C	D	E	F	G

Glossary of Terms (Letters correspond to table above)

A. Improved—Number of students who were at a lower performance level the prior year and scored at a higher performance level during the accountability year

B. Remaining at Proficient/Distinguished—Number of students who scored Proficient/Distinguished during the accountability year

C. Categorical Growth Improvement Total— Sum totals for improved students and Remaining at Proficient/Distinguished students **(A + B)**

D. Not Improved and Not Proficient/Distinguished—Number of students who are not identified in **A** or **B** for the accountability year

E. Number Accountable—Total number of students accountable in the school level **(C + D)**

F. Categorical Growth Points by Content - Divide the Categorical Growth Improvement Total by the number of accountable students **(C ÷ E)**

G. Total Categorical Growth Points—Categorical Growth Points by Content Area is multiplied by 50% rounded to 1 decimal place then added together

Note: All computations are rounded to 1 decimal place.